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THE

BRITISH SCIENCE GUILD.

ITS OBJECTS AND ITS AIMS.

Inaugurated 30th October, 1905, at a Meeting held at the Mansion House.

The Rt. Hon. The Lord Mayor in the Chair.

The British Science Guild.

ITS OBJECTS

ARE

(1) To bring together as members of the Guild all those throughout the Empire interested in science and scientific method, in order, by joint action, to convince the people, by means of publications and meetings, of the necessity of applying the methods of science to all branches of human endeavour, and thus to further the progress and increase the welfare of the Empire.

(2) To bring before the Government the scientific aspects of all matters affecting the national welfare.

(3) To promote and extend the application of scientific principles to industrial and general purposes.

(4) To promote scientific education by encouraging the support of universities and other institutions where the bounds of science are extended, or where new applications of science are devised.

Introduction.

No more successful inauguration of the new Society could have been hoped for or anticipated than that held at the Mansion House on October 30, 1905.

The objects of such an Association have long been in the minds of thinking men, but the efforts for the furtherance of them have been of a disconnected kind, until we now have in the British Science Guild an organisation for which (without aiming to double the efforts of existing bodies for the promotion of science) there is enormous scope, and a very great future.

The Guild, which is daily increasing its membership, includes men of such different spheres of thought as Mr. Haldane and Sir John Gorst, Lord Knutsford and Sir William Broadbent, the Bishop of Ripon and Lord Strathcona, to mention only a few of the well-known men who are seriously interested in the work.

It includes on its Committee men of science and manufacturers, politicians and lawyers, artists and admirals, soldiers and musicians; representative Englishmen, in fact, who feel that, in order to keep our Empire the greatest factor in the world, and retain our immense commerce, we must realise the necessity for applying the methods of science to all branches of human endeavour. "There must be only one kind of Education—the best—and that is to be given to everybody." These words, spoken by Sir Norman Lockyer, at the Mansion House, embody the aims and ideals of the Guild.

The Subscription has been made as low as possible, for it is felt that a knowledge of science is now as absolutely essential to the mechanic as to the millionaire, and it is to scientific method in all branches of our national life, and among all classes, that we must look in the future in order to maintain our individual as well as our national position.

Forms of application for membership will be found at the end of the pamphlet, and it is suggested that cost of postage, etc., to the Guild will be saved if intending members will avail themselves of the form to be used for Life Membership.

The British Science Guild.

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OPINIONS

ON THE

GUILD AND ITS WORK

of some of its most

important supporters.

The Right Hon. R. B. Haldane, K.C., M.P., F.R.S.

"There is great work for this Association to do. We live in a country where science is not as much appreciated as it should be. Our people are a very practical and sceptical people: they like to see cash over the counter, and do not like to wait for deferred payment. But we are waking up, and we have this enormous advantage, that our very individualism has produced some of the finest scientific talent in the world. I have never doubted, if you give England a fair chance, we can beat the world; but we have a deal of work to do. Let us see to it that we use our opportunities."

The Lord Bishop of Ripon.

"No person, however devoted he may be to the cause of science and scientific method, believes for a moment that science will be able to create faith, or create charity, but science and scientific method can do a great deal to give confidence to faith and certainly may guide the feet of charity into the ways and methods of wisdom. The value of applying science and scientific methods to all forms of human endeavour, lies in the simple fact, that here is the educating power which charity and benevolent impulse so generally and legitimately desire."

Sir Norman Lockyer, K.C.B., F.R.S.

"There is a hope, nay a certainty, that the Guild may do for British national endeavour in the future what the ancient Guilds, each in its special line of action, were founded to do in the long, long past. A complete education must be based upon things and thinking as well as upon words and memory: we want one kind of education in England—the Best, and we want that education to be carried as far as is possible in the case of each individual, whether the time available in education is long or short."

Lord Strathcona and Mount Royal.

"It must be a great relief and satisfaction to all of us in these days to find that we have placed before us something which savours in no sense of party politics, the object of which is for the general good, which we can all take part in, knowing that it is not only in the interests of the individual, but in the general interest. We all must feel that the better the teaching and the training and the more exact the knowledge of the individual, so much better will the work be performed by all, whether by man or by woman; for it is equally necessary that ladies should give heed to this object of general instruction and exact knowledge and learning as it is for the men."

Sir William Mather.

"This Association has among its objects those most deserving and most necessary for England at the present time, namely, to promote scientific education by encouraging the support of Universities and other institutions where the bounds of science may be extended, or where new applications of science may be discovered; also to promote improvements in our methods of National Education from the Elementary Schools up to the Universities, so as to afford the British people equal opportunities to those enjoyed by other nations of acquiring higher intelligence all round, through a closer acquaintance with the natural sciences necessary to all efficient human activity."

C. W. Macara, Esq.,

President of the Federation of Master Cotton Spinners' Associations.

"There is no doubt, with the great increase in the organisation of both capital and labour that have taken place in the last few years, that this organisation could not have been brought into existence at a better time, and that it will have some chance of making itself felt by coming into contact with organised bodies belonging to these great industries."

Sir John Wolfe Barry, K.C.B., F.R.S.

"This movement must be looked upon as a distinct educational movement to educate the people at large, and Governments and political parties, not to undervalue the great resources of science in the development of the kingdom."

General Sir Fred. Maurice, K.C.B.

"Our desire 'for the application of scientific method in all branches of human endeavour' means, I take it, that we wish to see all of them guided in the pursuit of truth with that earnestness, with that singleness of aim that has animated our great men of science in the past, and that the same patient care which they have shown in excluding the innumerable causes which tend to obscure truth from human eyes, shall be employed in all departments of national and individual life."

Sir William Ramsay, K.C.B., F.R.S.

"We have in England a great deal of scientific ability. Much of it is organised, but its application to the affairs of the State, to the Navy, to the Army, and to the Commerce of the nation at large, can be very much better organised than it is, and the object of this Guild is to attempt to effect that organisation which is so much required. If this is so, to promote the object of the Guild is one of the most important tasks the nation can undertake."

The Right Hon. Joseph Chamberlain, M.P.

"I do not think it is necessary for me to say anything as to the urgency and necessity of scientific training. . . . It is not too much to say that the existence of this country, as the great commercial nation, depends upon it. . . . It depends very much upon what we are doing now, at the beginning of the twentieth century, whether at its end we shall continue to maintain our supremacy or even equality with our great commercial and manufacturing rivals. . . . And, feeling as I do on these subjects, you will not be surprised if I say that I think the time is coming when Governments will give more attention to this matter, and perhaps find a little more money to forward its interests."

Sir James Blyth, Bart.

"Science can teach us how best to occupy every acre of the soil; by corn here, pasture there, fruit, vegetables, or timber elsewhere; for it is a truism to say that each separate acre has a capacity and consequently a value of its own for the production of some special article.

"I am convinced that there is nothing in connection with agriculture which science will not be the means of showing us can be produced either (1) much more abundantly on the same space; (2) to a much greater degree of perfection; (3) at a much lower cost.

"Let us of this Guild, therefore, so seek to spread the influence of science amongst agriculturists, that every seed of every variety, every plant of every kind, every animal of every species, shall be of the best possible type for reproduction, so that this Empire may pre-eminently be the nursery ground of all that is choicest in corn and cattle, and every other agricultural product."

Professor John Perry, D.Sc., F.R.S.

"Absence of scientific method in all our proceedings has been the theme of many of my addresses, but I was hopeless of producing an impression on the general public till the British Science Guild was started. If the Guild proceeds as it has begun, energetically but with tact, enthusiastically but with discretion, and so convinces the nation that reform is imperatively necessary, it will perform a service of infinite importance. My own personal opinion is that, in attacking the stronghold of dullness and blundering and nescience in which the nation lies captive, we ought to remember that the key of the position—the part where we can produce most effect—is the education of children."

Sir Oliver Lodge, F.R.S.

"One of the chief objects of the Guild must be to press not only on successive Chancellors of the Exchequer, but on the nation as a whole, a sense of the value to be derived from wisely administered public expenditure—to point out how much more fruitful it is in promoting the progress of a nation than private wealth. A nation that strenuously limits its expenditure in good and worthy directions, and only attends to necessaries, is liable to become decadent. Funds properly administered to promote Higher Scientific Education and Research would not only be a good investment but a brilliant speculation."

Sir Philip Watts, K.C.B., F.R.S.

"The British Science Guild might do an important work by teaching the Government and the public the commercial and economic value of science to the nation, and by drawing attention to opportunities for promoting the application of science to the changing circumstances and requirements of the time. There is no lack of scientific knowledge and ability in this country. Where we fail is in utilising this to the full in our manufactures and in commercial development."

Hon. Sir John Cockburn, K.C.M.G.

"Knowledge is not so much an end in itself as a means to human welfare, and science, the greatest of all, is never so exalted as when it ministers to the common needs. The reservoir of scientific acquirement is amply supplied by assiduous research; but conduits, mains, and house service are necessary to bring science to bear on the actual problems of life. For this function, as mediative, the British Science Guild comes at the opportune moment, and will yield a rich reward to Individual, Nation, and Empire."

The Right Hon. Thomas Burt, M.P.

"I rejoice at the establishment of such a body as the British Science Guild, and I heartily wish it every success. It becomes every day more and more necessary that our affairs, whether industrial or political, should be conducted according to scientific methods and principles. The Guild, I am persuaded, will effectively help to secure that end."

J. H. Reynolds, Esq., M.Sc.

"The scientific discoveries of the last half-century in the domain of physics and chemistry have revolutionised modern industrial methods and results, and have brought vast and hitherto little understood natural forces within the power and competence of man.

"It is clear that these forces cannot be effectively wielded and controlled to serviceable ends except by men thoroughly trained and educated in the principles, methods, and results of science.

"It is the object of the British Science Guild to make clear to the nation the stern necessity for the cultivation of science, so that its methods and results, in commerce, in industry, in administration—in short, in every department of the State—shall find full acceptance and adequate expression. Without this the nation can neither maintain its hitherto unchallenged position, nor develop as knowledge and the power to use it increases among the civilised races of the world."

Sir Gilbert Parker, M.P.

"I believe there is as much capacity for scientific thinking and for the application of scientific knowledge in this country as in any other country in the world; but in our exaggerated individualism and the great wealth and progress which has accompanied it, due to many circumstances, partly fortuitous, partly the legitimate outcome of our own progressive and inventive faculties, we have lost to a large degree the spirit of organisation; and organisation is the first scientific requisite in a nation's life. I believe that every workmen's club, every mechanics' institute, every polytechnic institute, every school in the country, can be inspired by a scientific spirit and ambition if the State and the great educational organisations on the one hand, and private enthusiasm on the other, cultivate, develop and excite a desire for scientific thoroughness and precision in every department of the national life. To bring science down to the home and the school, to breed inquiry and precision, to apply great principles to simple things—that, I believe, is the intention of the British Science Guild, and I think it has a great and patriotic career before it."

NOTICE

To those wishing to become members of the British Science Guild.

The form on next page should be filled in and forwarded to the Hon. Assistant Treasurer,

LADY LOCKYER,

16, PENYWERN ROAD, S.W.

Entrance Fee	-	Half-a-Crown
Yearly Subscription	-	Half-a-Crown
Life Member	-	Two Guineas

The British Science Guild.

I desire to become

A Life Member of the Guild, and enclose a cheque for £2 2 0

A Subscriber of the Guild, and enclose the sum of 5 0
(being Entrance Fee and first year's Subscription).

Signed.....

Address.....

Date.....

N.B.—Please draw your pen through the line not required.

The President and Officers of the Guild desire it to be known that donations will be gratefully received for the purpose of furthering the objects of the Guild.

Donors are invited to fill in form on opposite page and forward it with cheque to the Hon. Treasurer,

LADY LOCKYER,

16, PENYWERN ROAD,

S.W.

The British Science Guild.

I desire to give a donation of £ : : towards the Funds of the Guild, and beg to enclose Cheque for this amount.

Name.....

Address

Date.....

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	£	s.	d.
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Lockyer, Sir Norman, K.C.B., F.R.S. ...	10	10	0
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Jackson, Rear-Admiral Sir H. B., K.C.V.O., R.N., F.R.S.	1	1	0
Mathews, Professor G. B., F.R.S. ...	1	1	0
Hunt, Messrs. Edmund, and Co.... ...	1	0	0
Marconi, Chevalier G.	0	16	0
Steers, W. E., Esq.	0	10	6
Fairley, Thomas, Esq.	0	6	6
Bell, Dr. James, C.B., F.R.S.	0	5	0
Buller, Sir Walter, K.C.M.G., F.R.S. ...	0	5	0
Green, The Rev. Herbert W. H.	0	5	0
Griffiths, Dr. A. B.	0	5	0
Hambling, W. G. B., Esq.	0	5	0
Dodds, P. A., Esq.	0	2	6
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Further copies of this pamphlet may be obtained on application to the Hon. Assistant Treasurer of the Guild.

